

PLASTIC-METAL COMPOSITE ARTICLE

ABSTRACT OF THE DISCLOSURE

A plastic-metal composite article that includes a first shaped metal part (1) and a second shaped metal part (2) that are joined in an overlap region (23) is described. Each of the first and second shaped metal parts have an overlap region (23) defined by a portion of the second shaped metal part (2) that is superposed over a portion of the first shaped metal part (1),

The first and second shaped metal parts are fixedly attached one to the other by: an adhesive (3) interposed between the first and second shaped metal parts in the overlap region (23); and thermoplastic material (4) that is molded onto at least a portion of the overlap region (23). The first (1) and second (2) shaped metal parts are substantially free of direct contact with each other in the overlap region (23). The adhesive also provides an electrically insulating layer between the first and second shaped metal parts in the overlap region.